

09/04/98

U.S. PTO

NEW UTILITY PATENT APPLICATION
TRANSMITTALDOCKET NO.
20721/04010

TOTAL PAGES IN THIS SUBMISSION

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application

Washington, D.C. 20231

Transmitted herewith for filing under 35 USC 11(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled:

FUNCTIONALLY GRADED METAL SUBSTRATES AND PROCESS FOR MAKING SAME

and invented by:

Jordon Frazier, David E. Jech, Richard H. Sworden, Juan L. Sepulveda

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation☐ Divisional☐ Continuation -in -part (CIP)

in prior application No.: _____

Enclosed are:

Application Elements

1. ☐ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 20 pages and including the following:
 - a. ☐ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (*if applicable*)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. ☐ Reference to Microfiche Appendix (*if applicable*)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (*if drawings filed*)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

"EXPRESS MAIL" Mailing Label No.: Em 12844144205Date of Deposit: 9-4-98

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)

a. ☐ Formalb. ☒ InformalNumber of Sheets 4

Name of Person Signing (Type or Print)

Signed: C. M. Hunt

4. ☒ Oath or Declaration
 - a. ☐ Newly executed (*original or copy*) ☒ Unexecuted
 - b. ☐ Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
 - c. ☒ With Power of Attorney ☐ Without Power of Attorney

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Application Elements (Continued)

5. ☐ Incorporation by Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (*identical to computer copy*)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers (*cover sheet & document(s)*)
9. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. ☐ English Translation Document (*if applicable*)
11. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☐ Return Receipt Postcard
14. ☒ Certificate of Mailing
☐ First Class ☒ Express Mail (*Specify Label No.:* EM 2844144245)
15. ☐ Small Entity Statement(s)
☐ Statement filed in prior application; Status still proper and desired.
16. ☐ Additional Enclosures (*please identify below*):

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FEE CALCULATION AND TRANSMITTAL

CLAIMS AS FILED

1) For	2) Number Filed	3) Number Extra	Rate	Additional Fee
TOTAL CLAIMS (37 CFR 1.16(c))	38 - 20 =	18	x \$ 22	\$ 396
INDEPENDENT CLAIMS (37 CFR 1.16(c))	8 - 3 =	5	x \$ 82	\$ 410
First Pres. of Multiple Dep. Claims	= 0			
Terminal Disclaimer	= 0			
			Basic Filing Fee	\$ 790
			TOTAL	\$ 1,596.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☐ The Commissioner is hereby authorized to charge and credit Deposit Account No. _____ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ as filing fee.
- ☐ Credit any overpayment or any deficiency.

Respectfully submitted,

Date: SEPTEMBER 4, 1998

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